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Notice on Issuing the *Criteria for Application and Assessment of Professional Titles in Laboratory Technology Series of Kunming University*

All units of the University:

The *Criteria for Application and Assessment of Professional Titles in Laboratory Technology Series of Kunming University* has been reviewed and adopted at the 5th President's Office Meeting on March 15, 2022. It is hereby issued for implementation in accordance with relevant provisions.

Kunming University
May 27, 2022

Criteria for Application and Assessment of Professional Titles in Laboratory Technology Series of Kunming University

Chapter I General Provisions

Article 1 These criteria are formulated in accordance with relevant provisions including the *Overall Plan for Deepening the Reform of Education Evaluation in the New Era* and the *Implementation Measures for the Administration of Professional Title Assessment in Yunnan Province (Trial)* (YRSF [2020] No. 57), combined with the actual situation of the University.

Article 2 Professional titles in the laboratory technology series are divided into three levels: junior, intermediate and senior. The senior level is further categorized into associate senior and full senior. The titles corresponding to junior, intermediate, associate senior and full senior levels are Assistant Experimentalist, Experimentalist, Senior Experimentalist and Full Senior Experimentalist respectively.

Chapter II Scope of Application

Article 3 These criteria apply to full-time on-the-job professional and technical personnel working in laboratory technology positions at Kunming University, including those engaged in experimental teaching, teaching equipment management, instrument and equipment maintenance, analysis and testing, laboratory technical support, and educational and network technical support.

Chapter III Application Requirements

Article 4 Applicants for professional titles in the laboratory technology series shall meet the following basic requirements simultaneously:

(1) Abide by the Constitution and laws of the People's Republic of China, implement the Party's education policy, consciously practice the core socialist values, possess sound ideological and political quality and professional ethics, conduct oneself with virtue, pursue scholarship with virtue, teach with virtue, and remain dedicated to one's post.

(2) Possess professional knowledge and scientific research capabilities corresponding to laboratory technology positions. All annual assessments since assuming the current position have been graded "Pass" or above. Be physically and mentally sound with good psychological quality, and capable of fulfilling the responsibilities and obligations of laboratory technology positions as required.

Article 5 Applicants for professional titles in the laboratory technology series shall meet the following qualification requirements:

(1) Assistant Experimentalist: Hold a master's degree; or hold a bachelor's degree and have completed a one-year probation period with a pass assessment.

(2) Experimentalist: Hold a doctoral degree; or hold a master's degree and have served as an Assistant Experimentalist for at least 2 years; or hold a bachelor's degree and have served as an Assistant Experimentalist for at least 4 years.

(3) Senior Experimentalist: Hold a bachelor's degree or above, and have served as an Experimentalist for at least 5 years; or hold a doctoral degree and have served as an Experimentalist for at least 2 years.

(4) Full Senior Experimentalist: Hold a bachelor's degree or above, and have served as a Senior Experimentalist for at least 5 years.

Chapter IV Assessment Criteria

Article 6 Assessment criteria for Assistant Experimentalist

(1) Possess certain professional technical level and business working ability, and be competent in professional technical work such as theoretical teaching of laboratory technology and operation, inspection and maintenance of experimental instruments and equipment.

(2) Complete the workload specified by the University for laboratory management and maintenance, and earnestly perform job responsibilities.

(3) Meet one of the following requirements for representative achievements:

1. Participate in teaching reform and construction projects or scientific research projects.

2. Publish papers related to laboratory technology as the first author (corresponding author) in public, or participate in the compilation of experimental instruction manuals.

3. Participate in or guide students to participate in various discipline competitions, skill competitions, and various art and sports competitions and win university-level awards.

Article 7 Assessment criteria for Experimentalist

(1) Possess corresponding professional technical level and business working ability, have served as a main participant in laboratory construction and management work, participated in formulating medium and long-term plans for laboratory construction of the unit, and achieved remarkable work performance. Be competent in theoretical teaching and practical operation training of various laboratory technologies, as well as professional technical work such as operation, inspection and maintenance of various experimental instruments and equipment.

(2) Complete the workload specified by the University for laboratory management and maintenance, and earnestly perform job responsibilities.

(3) Meet one of the following requirements for representative achievements:

1. Win university-level or above awards and honorary titles.

2. Publish 2 papers related to laboratory technology as the first author (corresponding author) in public, or the compiled experimental instruction manuals have been continuously used in undergraduate experimental teaching for more than 3 years.

3. Participate in 1 provincial/ministerial level or above education and teaching reform research project or scientific research project, or preside over 1 university-level or department-level scientific research project.

4. Participate in guiding students to participate in various discipline competitions, skill competitions, and various art and sports competitions and win the second prize or above at university level, or the third prize or above at department level.

5. Make certain contributions to the development of instruments and equipment, experimental devices, special software, etc. with independent intellectual property rights, and be the main accomplisher of authorized patents.

Article 8 Assessment criteria for Senior Experimentalist

(1) Comprehensively and systematically master theoretical and technical knowledge related to laboratory technology, have practical experience in laboratory technology, be familiar with the latest domestic and international technical status and development trends in laboratory technology, and be able to effectively solve key technical problems and complex difficult problems in experimental work.

(2) Have served as the main accomplisher in laboratory construction and management work, presided over the formulation of medium and long-term plans for laboratory construction of the unit, achieved remarkable work performance, and maintained an advanced level among similar laboratories in the province. Have outstanding performance in laboratory technology with remarkable results, or make contributions to the use and management of large-scale precision instruments and equipment and the in-depth development of instrument and equipment functions, and be able to guide personnel with intermediate professional titles to carry out relevant work.

(3) Meet two of the following requirements for representative achievements:

1. Participate in 1 project of the Ministry of Education Humanities and Social Science Fund, or participate in 1 national-level education and teaching reform research project or scientific research project, or preside over 1 provincial-level education and teaching reform research project and scientific research project.

2. Preside over horizontal research projects (including industry-university-research cooperation projects) with cumulative actual received funds of no less than 150,000 RMB.

3. Publish 2 academic papers related to laboratory technology as the first author (corresponding author) in public, among which 1 is indexed and abstracted, or a single paper has an impact factor of 1.0 or above.

4. Serve as the first chief editor of 1 experimental instruction textbook officially published by Class B or above publishers.

5. Win provincial-level teaching achievement awards in the discipline, or win provincial/ministerial-level science and technology awards (Natural Science Award, Technological Invention Award, Science and Technology Progress Award), or provincial/ministerial-level Outstanding Achievement Award in Philosophy and Social Sciences, or win the first prize of university-level teaching achievement award (top 3).

6. Guide students to win the third prize or above at provincial/ministerial level in National Class A competitions as the first supervisor.

7. Develop instruments and equipment, experimental devices, special software, etc. with independent intellectual property rights, and obtain more than 1 authorized invention patent (top 3), or obtain no less than 3 national authorized invention patents as the first inventor, among which at least 1 has been commercialized.

Article 9 Assessment criteria for Full Senior Experimentalist

(1) Have systematic professional theoretical knowledge, outstanding performance and contributions, enjoy high popularity among peer experts inside and outside the province, be familiar with cutting-edge theories and applications of laboratory technology at home and abroad, have strong influence among peers inside and outside the province, be familiar with the latest domestic and international technical status, and have made great theoretical and practical innovations in laboratory technology work.

(2) Serve as the person in charge of the construction and management of key laboratories, play a major role with outstanding construction performance, and be the first accomplisher of formulating medium and long-term plans for key laboratory construction. Be

able to develop instruments and equipment, experimental devices, special software, etc. with independent intellectual property rights.

(3) Make significant contributions to the solution and improvement of major experimental work or key technologies, achieve remarkable results, have major theoretical innovations in experimental methods and technical improvements, which are recognized by domestic peers, and play a leading role in scientific research, teaching experiments and other work.

(4) Have the ability to undertake national or provincial key scientific and technological projects (related to laboratory technology) and ensure the smooth implementation of the projects.

(5) Meet two of the following requirements for representative achievements:

1. Participate in 1 project of the Ministry of Education Humanities and Social Science Fund (top 3), or participate in 1 national-level education and teaching reform research project or scientific research project (top 3), or preside over 2 provincial-level education and teaching reform research projects or scientific research projects.

2. Preside over horizontal research projects (including industry-university-research cooperation projects) with cumulative actual received funds of no less than 250,000 RMB.

3. Publish 3 academic papers related to laboratory technology as the first author (corresponding author) in public, among which 1 is indexed and abstracted, or a single paper has an impact factor of 2.0 or above.

4. Serve as the first chief editor of 2 experimental instruction textbooks officially published by Class B or above publishers.

5. Win national-level awards, or win provincial-level teaching achievement awards with the following ranking requirements: top 8 for the Special Grand Prize, top 6 for the First Prize, top 5 for the Second Prize; or win provincial/ministerial-level science and technology awards or provincial/ministerial-level Outstanding Achievement Award in Philosophy and Social Sciences, with the following ranking requirements: top 8 for the Special Grand Prize, top 6 for the First Prize, top 5 for the Second Prize, 3rd place for the Third Prize.

6. Guide students to win the second prize or above at provincial/ministerial level in National Class A competitions as the first supervisor.

7. Develop instruments and equipment, experimental devices, special software, etc. with independent intellectual property rights, and obtain 1 national invention patent, or obtain no less than 4 national authorized invention patents as the first inventor, among which at least 2 have been commercialized.

Chapter V Exceptional Assessment Criteria

Article 10 Conditions for exceptional assessment

(1) Preside over 1 national-level project as the principal investigator.

(2) Publish 3 highly influential academic papers as the first author (corresponding author) that are indexed and abstracted, or 1 paper with an impact factor of 5.0 or above.

(3) Publish 1 academic monograph (translated work) with academic value as the first author, or 1 textbook as the first chief editor by Class B or above publishers.

(4) Win provincial/ministerial-level teaching achievement awards, with the following ranking requirements: top 5 for the Special Grand Prize, top 3 for the First Prize, 1st place for the Second Prize; or win national-level science and technology awards (Natural Science Award, Technological Invention Award, Science and Technology Progress Award) regardless

of ranking; or win provincial/ministerial-level science and technology awards or provincial/ministerial-level Outstanding Achievement Award in Philosophy and Social Sciences, with the following ranking requirements: top 4 for the Special Grand Prize, top 3 for the First Prize, top 2 for the Second Prize, 1st place for the Third Prize.

(5) Win the China Patent Award as the first accomplisher, or obtain 4 national authorized invention patents as the first accomplisher, among which at least 2 have been commercialized.

(6) Have 1 research report or consulting report adopted by provincial-level or above competent authorities (official certification from the competent authority is required), or receive positive written instructions from incumbent provincial/ministerial-level and above leaders.

(7) Undertake horizontal scientific research projects as the project host, with cumulative received funds of 200,000 RMB for applying for associate senior title, and 400,000 RMB for applying for full senior title.

(8) Participate in national-level teaching competitions and win the third prize or above at national level.

(9) For art teachers, their creative works or performance achievements win international excellence awards, or 2 national third prizes.

(10) For physical education teachers, participate in or guide students to win top 3 places in national-level sports competitions.

Article 11 Exceptional application for Senior Experimentalist. Applicants who do not meet the basic qualification requirements for regular assessment but have outstanding performance may apply for exceptional assessment of the Senior Experimentalist professional title, on the premise of meeting the regular assessment criteria for the laboratory technology series and simultaneously satisfying 2 conditions listed in Article 10.

Article 12 Exceptional application for Full Senior Experimentalist. Applicants who do not meet the basic qualification requirements for regular assessment but have outstanding performance may apply for exceptional assessment of the Full Senior Experimentalist professional title, on the premise of meeting the regular assessment criteria for the laboratory technology series and simultaneously satisfying 3 conditions listed in Article 10.

Article 13 Performance achievements used for regular application shall not be reused as qualifying conditions for exceptional assessment.

Chapter VI Supplementary Provisions

Article 14 Relevant explanations on assessment criteria

(1) Publicly published academic papers must have ISSN or CN numbers, excluding supplementary issues, special issues, themed issues and conference proceedings.

(2) "Indexed and abstracted" refers to papers with official retrieval reports, and certification from authorized retrieval institutions is required. Corresponding authorship is only recognized when the first author is a student of this University.

(3) Papers must be officially published in print or online. If the same paper is published in both Chinese and foreign language versions, only 1 paper will be counted.

(4) Publicly published academic works and textbooks must have ISBN numbers and be in the applied major or closely related fields. Class A publishers include The Commercial Press, Zhonghua Book Company, SDX Joint Publishing Company, People's Publishing House, Science Press, China Social Sciences Press, Higher Education Press, Social Sciences

Academic Press, and prestigious international university presses. Class B publishers refer to publishing houses affiliated with national ministries and commissions, and publishing houses of 985 universities.

(5) National-level scientific research projects refer to projects funded by competent authorities such as the Ministry of Science and Technology, the National Natural Science Foundation of China, and the National Office for Philosophy and Social Sciences.

(6) Provincial/ministerial-level scientific research projects refer to projects funded by competent authorities such as the Ministry of Education, the Provincial Department of Science and Technology, the Provincial Development and Reform Commission, and the Provincial Office for Philosophy and Social Sciences.

(7) National-level teaching reform and construction projects include: national first-class courses, first-class programmes, teaching teams, Emerging Engineering Education research and practice projects, industry-university cooperation collaborative education projects, curriculum ideology and politics demonstration courses, virtual simulation experiment teaching projects, teaching reform research projects, and curriculum ideology and politics teaching research demonstration centers.

(8) Provincial-level teaching reform and construction projects include: provincial first-class courses, first-class programmes, teaching teams, Emerging Engineering Education research and practice projects, industry-university cooperation collaborative education projects, curriculum ideology and politics demonstration courses, virtual simulation experiment teaching projects, teaching reform research projects, curriculum ideology and politics teaching research demonstration centers, and teaching achievement cultivation projects.

(9) Scientific research and teaching reform and construction projects must be supported by official approval documents, project award notices or project task statements.

(10) Horizontal projects must be supported by official project contracts, and the amount of received funds shall be subject to the certification issued by the Finance Office.

(11) National-level, provincial/ministerial-level, and department-level scientific research achievements and teaching achievement awards refer to awards evaluated and granted by relevant government authorities, and shall be subject to official documents or award certificates.

(12) Awards for creative works or performance achievements of art teachers refer to those evaluated and awarded by relevant government authorities. Undertaking project design requires formal project contracts from competent authorities of corresponding levels.

(13) National-level sports events refer to the National Games, the National Urban Games, the National University Games, and national sports competitions organized by the General Administration of Sport of China and the Ministry of Education.

(14) Provincial-level sports events refer to the Provincial Games, the Provincial University Games, and provincial sports competitions organized by the Provincial Sports Bureau and the Provincial Education Department.

(15) National Class A competitions include: China "Internet+" College Students Innovation and Entrepreneurship Competition, "FLTRP Cup" National English Speaking Competition for College Students, National College Students Structural Design Competition, National College Students Mechanical Innovation Design Competition, National College Students Engineering Training Comprehensive Ability Competition, National College Students Electronic Design Competition, National College Students Intelligent Car Competition, National College Students Logistics Design Competition,

National College Students Mathematical Modeling Competition, National College Students Advertising Art Competition, and "Challenge Cup" Chinese College Students' Business Plan Competition.

Article 15 These criteria shall be deliberated and approved by the University Academic Committee, reviewed by the President's Office Meeting, examined and finalized by the University Party Committee, and submitted to the Provincial Department of Human Resources and Social Security and the Provincial Department of Education for review and filing before implementation.

Article 16 These criteria shall come into force as of the date of issuance. In case of any inconsistency between previous provisions and these criteria, these criteria shall prevail. The former *Implementation Rules for the Assessment Criteria of Professional Titles in Laboratory Technology Series of Kunming University (Trial)* (KYR [2018] No. 4) shall be repealed simultaneously.

General Office of Kunming University Issued on May 30, 2022